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WATER SUPPLY OUTLOOK

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

for

IDAHO

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE, and

IDAHO STATE RECLAMATION ENGINEER

Data included in this report were obtained by the agency named above in cooperation with the Comptroller of Water Rights of British Columbia, and Federal, State and private organizations listed on the last page of this report.

JAN. 1, 1965

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Soil Conservation Service, 511 N.W. Broadway - Room 507, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEBMAY)	PORTLAND, OREGON	ALL COOPERATORS
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MARMAY)	_ PALMER, ALASKA	ALASKA S.C.D.
AR I ZON A	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ, AGR. EXP. STATION
COLORADO AND NEW MÉXICO	MONTHLY (FEBMAY)	_ FORT COLLINS, COLORADO	O COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JANJUNE)_	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JANJUNE)_	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JANMAY)	_ RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
ORE GON	(JAN JUNE)	PORTLAND, OREGON	OREGO STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JANJUNE)_	_ SALT LAKE CITY, UTAH _	UTAH STATE ENGINEER
WASHINGTON-	MONTHLY (FEBJUNE)-	_ SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	Monthly (FebJune)	_ CASPER, WYOMING	WYOMING STATE ENGINEER
	PUBLISHED F	Y OTHER AGENCIES	
REPORTS	ISSUED	TO THE HOLITOILE	AGENCY
			CES SERVICE, DEPT. OF LANDS, ER RESOURCES, PARLIAMENT BLDG., , CANADA
CALIFORNIA	MONTHLY (FEBMAY)	CALIF. DEPT. O	F WATER RESOURCES. P.O. BOX 388.

SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

for

IDAHO

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Issued by

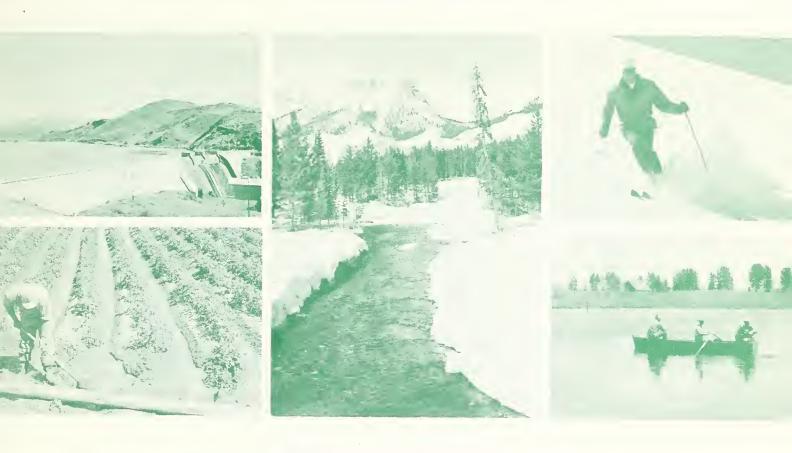
LEE T. MORGAN

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO

CARL E. TAPPAN
STATE RECLAMATION ENGINEER
DEPARTMENT OF RECLAMATION
BOISE, IDAHO



WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR JANUARY 1, 1965

The winter season of 1965 has started out with record-breaking snowfall. Usually about one-third of the total snowfall is down by the first of January. This year, there are several snow courses scattered throughout Idaho that have a normal accumulation for the entire season already in the snow pack.

Heavy rains during December and warm temperatures at high elevations primed the soils on the watersheds. Generally speaking, the entire State of Idaho has above normal soil moisture and an unusually heavy snow pack as measured near the first of January. Reservoir-stored water throughout the state reflects the heavy streamflow during December. In some cases, floods occurred as a result of frozen soil, deep snow at low elevations that was melted by warm temperatures, and rainfall adding to the runoff.

The "pillow" installation at Bogus Basin snow course recorded interesting data during this period. The "pillow" is a nylon reinforced butyl tube about 6 inches thick and 12 feet across. The tube is filled with methanol and connected to a vertical standpipe which is protected by a small building. As snow falls on the "pillow" or melts off from the "pillow", the level of the fluid in the standpipe varies in accordance with the water content of the snow. A float in the standpipe is connected to a recording device. The recorder makes a permanent record on a chart of the increase or decrease in water content of the snow.

This "pillow" installation recorded the changes in the snow pack by the hour as they occurred during the flood period. Starting about six o'clock on the morning of December 22nd, the snow pack at Bogus Basin lost water content until 8:00 P.M., December 23rd. During this period, 1.8 inches of water was released from the snow pack by the warm temperatures and rainfall occurring at this elevation. Contrary to common belief, the snow pack does not absorb significant amounts of rainfall. Rather, the rainfall melts a slight portion of the snow pack and runs through the snow and into the soil. If the soil is frozen beneath the snow pack as it was in areas in Idaho, extremely high and fast runoff occurs. "pillow" has made an accurate recording of the snow-water content at Bogus Basin as determined by conventional snow tube measurements. The interesting technical point is that the snow pack water content dropped about two inches during this period and then regained it again within three days. This phenomena resulted in floods in many areas of Idaho. At the lower elevations, the snow pack melted off entirely.

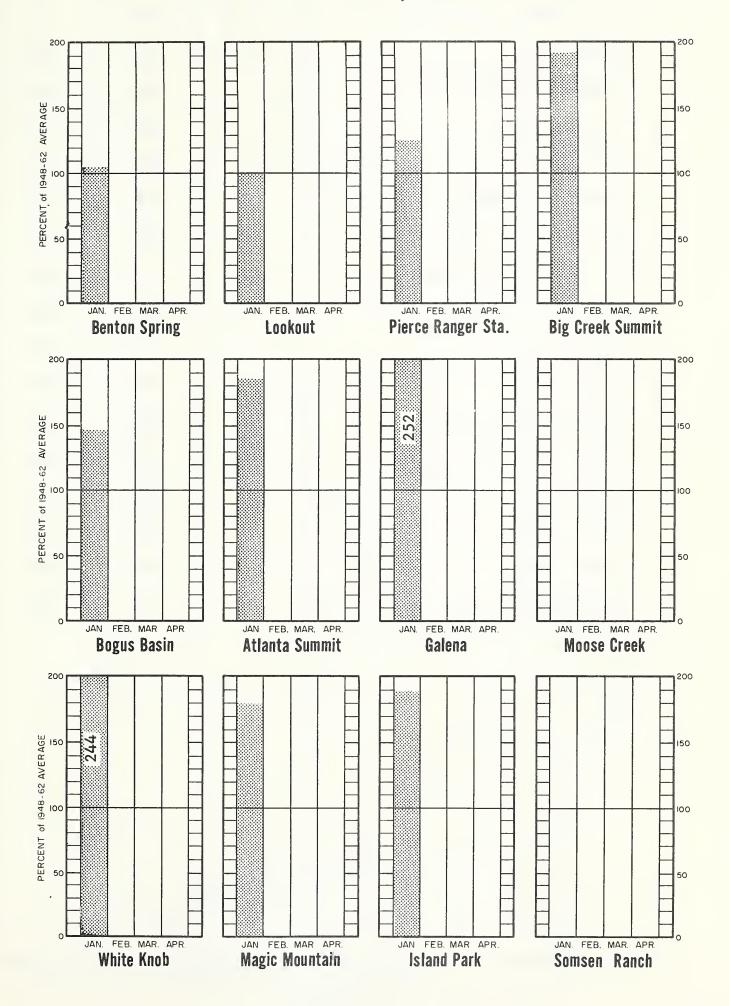
A continuation of the trend of storms that has occurred during the Fall of 1964 and beginning of 1965 would result in extremely heavy volumes of water stored in the snow pack in the mountains and valleys of Idaho.

SNOW WATER DEPTHS ACCUMULATION

For Selected Snow Courses

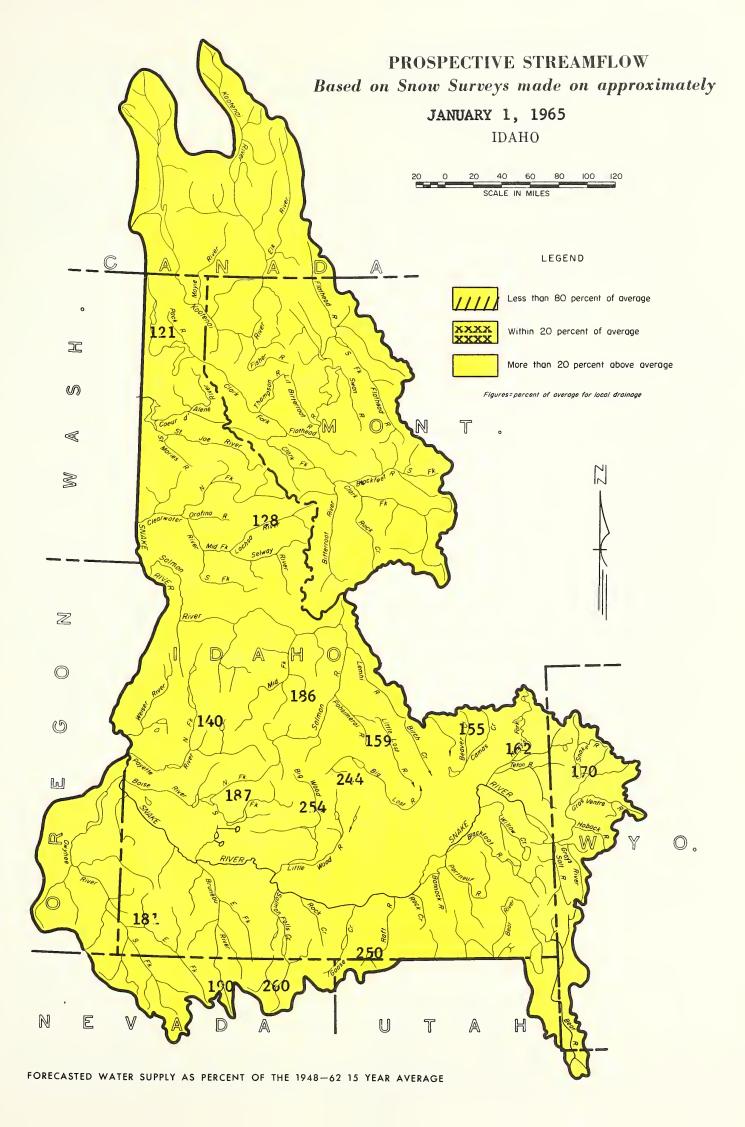
As Compared To 1948-62 15Yr. Average

JANUARY 1, 1965



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO. OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF: LAST YEAR 1948-62 AVERA		
Priest River	2-4	102	121	
Spokane River	1-2	133	100	
Clearwater River	3-7	150	128	
Palouse River	5	139	123	
Salmon River	6-11	240	186	
Camas-Beaver Creek	2	238	155	
Upper Snake	20	224	170	
Henry's Fork-Teton River	6-8	223	162	
Little Lost River	3	188	159	
Big Lost River	1	253	244	
Big Wood River	5-7	299	254	
Raft River-Goose Creek	1-6	289	250	
Salmon Falls Creek	7-9	239	260	
Boise River	5-9	298	187	
Payette River	5-9	237	140	
Bruneau River	3	283	190	
Owyhee River	2	278	181	



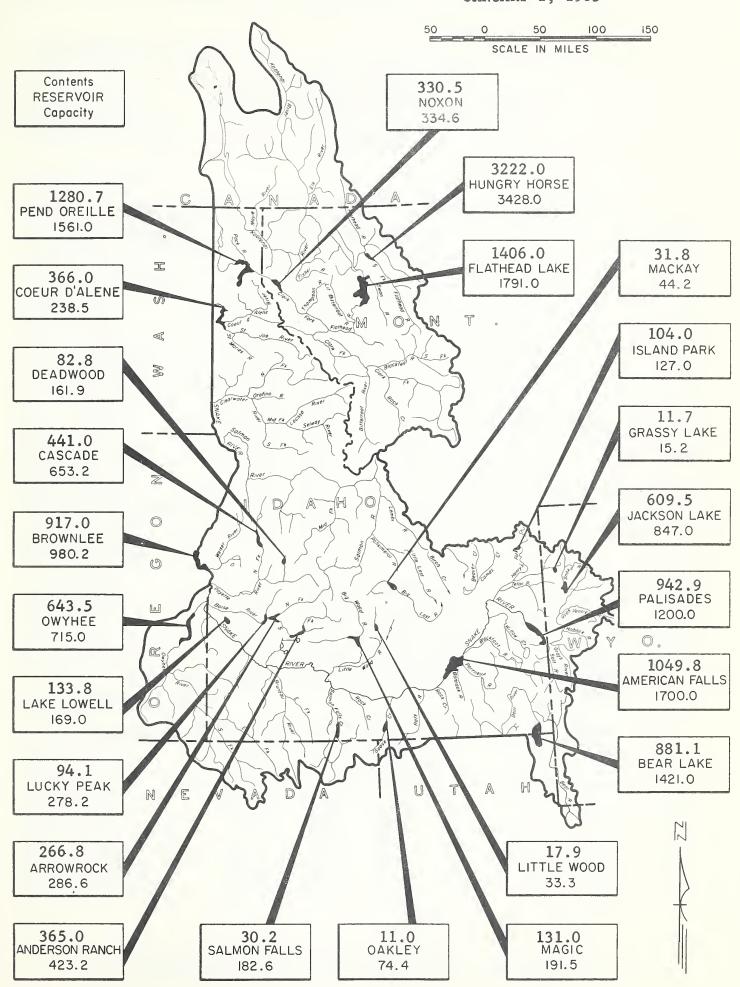
RESERVOIR STORAGE (1,000 Ac. Ft.)

		MEASURED (First of Month)					
RESERVOIR	USABLE CAPACITY	THIS YEAR	LAST YEAR	1948-62 AVERAGE			
MADRID COLUMNIA DACIN							
UPPER COLUMBIA BASIN							
Clark Fork - Pend Oreille							
Hungry Horse	3428.0	3222.0	2955.0	2954.5*			
Flathead	1791.0	1406.0	1532.0	1297.0			
Pend Oreille	1561.0	1280.7	631.1	726.5			
Noxon	334.6	330.5	326.7				
Spokane							
Coeur d'Alene	238.5	366.0	117.2	168.1			
SNAKE BASIN							
Snake							
Jackson Lake	847.0	609.5	607.9	399.4			
Palisades	1200.0	942.9	825.4	484.7*			
American Falls	1700.0	1049.8	883.7	1143.0			
Island Park	127.0	104.0	64.9	79.3			
Grassy Lake	15.2	11.7	7.7	11.3			
Brownlee	980.2	917.0	724.0				
Goose-Trapper Creeks							
Oakley	74.4	11.0	9.3	10.3			
Salmon Falls Creek	100 (07.4	4 8 4			
Salmon Falls	182.6	30.2	27.4	15.1			
Big Lost	44.2	31.8	2/. /.	25.0			
Mackay	44.2	31.0	34.4	25.0			
Big Wood Magic	191.5	131.0	102.0	90.3			
Little Wood	191.5	131.0	102.0	90.3			
Little Wood	30.0	17.9	15.6	4.7*			
Boise			13.0				
Anderson Ranch	423.2	365.0	306.1	178.2			
Arrowrock	286.6	266.8	238.4	163.5			
Lucky Peak	278.2	94.1	25.7	96.6*			
Lake Lowell (Deer Flat)	169.0	133.8	116.3	85.5			
Owyhee							
Owyhee	715.0	643.5	266.6	316.5			
Payette							
Cascade	653.2	441.0	345.4	200.2*			
Deadwood	161.9	82.8	80.0	61.6			
GREAT BASIN							
GREAT DADIN							
Bear							
Bear Lake	1421.0	881.1	700.0	882.4			
*Period of record.							

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1965



VALLEY PRECIPITATION $\underline{1}/$ Division Averages and Departures

In Inches

DRAINAGE	Sep00	Fall tNov. 1964	Winter December 1964			
DIVISIONS	Company of the Compan	Departure 2/				
Kootenai, Canada & U. S.	7.01	+0.09	4.62	+1.30		
Flathead	5.41	-0.18	5.19	+3.08		
Clark Fork	1.59	~1.26	3.61	+2.67		
Pend Oreille-Spokane	7.26	-1.68	7.06	+2.80		
Upper Snake	3.90	-0.80	5.16	+2.70		
Snake River Plain	2.28	+0.29	3.19	+2.23		
Salmon-Payette-Boise	3.75	-0.66	7.73	+5.19		
Clearwater	6.39	-0.65	6.43	+3.45		
Southeastern Oregon	2.26	+0.06	3.39	+2.18		

^{1/} Preliminary analysis by U. S. Weather Bureau from data furnished by Meterological Service of Canada and U. S. Weather Bureau.

^{2/} Departure from 15-year (1948-62) drainage division average.

SNOW CURRENT INFORMATION PAST RECORD											
DRAINAGE BASIN and SNOW	COURSE		DATE OF	SNOW DEPTH	WATER CONTENT	WATER CONTE					
NAME	NO.	ELEVATION	SURVEY	(Inches)	(Inches)	LAST YEAR	AVERAGE 6				
nam operite porece	DTUED										
PEND OREILLE - PRIEST	RIVER										
Benton Meadow	16A2	2344	12/31	36	5.8	2.5	3.4				
Benton Spring	16A3	4900	12/31	45	9.6	7.4	9.3				
Schweitzer Bowl	16A6	4500	12/29	70	14.0	16.2	w ==				
Schweitzer Ridge	16A5	6100	12/29	87	21.3	23.6	œ =				
Schweitzer Kidge	IUNJ	0100	12/27	07	21.5	23,0					
SPOKANE RIVER											
DI ORMALI KIV DIK											
Fourth of July Smt.	16B3	3100	12/30	22	4.7	4.0	470 CER				
Lookout	15B2	5250	12/30	69	17.6	12.8	17.6*				
200.000											
CLEARWATER RIVER											
Above Greer	16C11	1240	12/30	9	2.4	T	= (
Buck Meadows	15D5	5600	12/29	41	12.1						
Cayuse Airstrip (A)	15C3	3700	1/5	41	9.3	2.8	4.1*				
Crater Meadows (A)	15C9	6100	1/5	83	21.2	14.5	•				
Fish Lake Airstrip(A)	15C2	5000	1/5	75	19.1	12.8	18.2*				
Goat Lake (A)	14C9	6600	1/5	87	22.2	14.2	-				
Greer Summit	16C13	3000	12/30	11	2.2	T	co e				
Hemlock Butte (A)	15C6	5500	1/5	93	23.7	20.0					
Midway	16C12	2200	12/30	10	1.6	T					
Mountain Meadows	15D6	6300	12/29	43	12.7						
Pierce Rgr. Sta.	15C5	3171	12/28	30	6.8	4.4	5.3*				
Shanghai Summit (A)	15C4	4600	1/5	59	15.0	9.4	on co				
PALOUSE RIVER											
Crumarine Creek	16C6	3500	12/31		4.1	3.0	2.7*				
East Twin	16C3	4000	12/31		6.7	4.7	5.4*				
Howard Creek	16C5	3500	12/31		2.9	2.3	2.2*				
Moscow Mountain	16C2	4800	12/31		8.6	6.1	7.0*				
West Twin	16C4	4200	12/31	18	4.3	3.0	4.3*				
LOWER SALMON RIVER											
	1 5 50	((00	1/0	10/	21 2	11 7					
Big Creek Summit	15E2	6600	1/8	104	31.2	11.7					
#Boulder Creek	16D1	5500	12/31	72	18.6	6.8	1 04				
Chapman Creek	16D2	4215	12/30	13	2.6	1.7	1.8*				
#Deadwood Summit (A)	15E4	7000	1/1	144	40.9	16.3	1 2 %				
Johns Creek	16D3	3805	12/30	11	2.2	0.9	1.2*				
#Rock Flat Summit	16E1	5200	12/29		9.4	4.9	7.8 				
#Squaw Flat (A)	16E5	6230	1/1	72	18.7	9.7					
#Squaw Meadows (A)	15D2	5800	1/1	95 17	27.0 3.4	12.4 2.7	2.5*				
Whitebird Summit	16D5	4390	12/30	T/	3.4	2.1	2.5				

2

SNOW				CUR	RENT INFOR	MATION	PAST R	ECORD
	DRAINAGE BASIN and SNOW COURSE		DATE OF	SNOW DEPTH	WATER	WATER CONT	ENT (Inches)	
	NAME	NO.	ELEVATION	SURVEY	(Inches)	(inches)	LAST YEAR	AVERAGE 6

UPPER SALMON RIVER												
#Galena Summit #Gibbons Pass Morgan Creek Summit	14F12 13D2 14E4	8795 7100 7580	1/6 1/4 12/31	110 56 63	29.2 16.4 14.6	8.4 8.1 4.3	9.8* 10.8*					
MEDICINE LODGE - CAMAS - BEAVER CREEKS												
Camp Creek Kilgore	12E3 11E12	6800 6200	12/28 12/28	32 29	6.5 5.9	2.8	3.7 4.3*					
HENRY'S FORK RIVER												
Big Springs Grassy Lake Island Park Valley View	11E9 10E15 11E10 11E8	6500 7230 6315 6500	12/31 12/29 12/30 12/30	58 70 55 45	13.3 22.6 11.5 11.2	5.8 10.1 4.5 4.6	7.9 14.7 6.1 5.5					
Teton River												
Darby Canyon (A) Pine Creek Pass State Line Teton Pass	10F21 11F2 11F1 10F13	8250 6750 6400 8500	12/31 12/30 12/30 12/30	48 38 32 70	14.1 10.9 9.0 20.6	7.9 4.9 4.0 9.0	6.1					
LITTLE LOST RIVER												
Fairview Guard Sta. Lost-Garfield Sawmill Canyon	13E5 13E3 13E4	5850 5700 6000	12/31 12/30 12/31	19 15 32	3.3 2.6 7.8	2.0 2.0 3.3	2.3* 2.0* 4.3*					
BIG LOST RIVER												
White Knob	13F1	7700	12/28	35	6.6	2.6	2.7*					
LEMHI RIVER												
Gertson Creek (A)	13D17	8050	12/28	18	4.2	3.2	ass cir					
PORTNEUF RIVER												
Pebble Creek	12G2	6550	1/4	33	10.6	3.6	100 CD					
BEAR RIVER					1.							
Emigrant Summit	11G6	7350	12/29	63	17.6	6.6	COST GAME					

SNOW			CURR	ENT INFOR	MATION	TION PAST RECORD		
DRAINAGE BASIN and SNOW				SNOW DEPTH	WATER CONTENT	WATER CONTE		
NAME	NO.	ELEVATION	SURVEY	(Inches)	(Inches)	LAST YEAR	AVERAGE 0	
Montpelier Creek								
Giveout	11G16	6840	12/30	35	8.2	4.4	29 00	
Little Beaver	11G20	6970	12/30	46	12.0	5.2	eo eo	
Montpelier Creek	11G18	6570	1/6	24	7.2	2.5	6 6	
Whiskey Flat	11G21	6985	12/30	33	7.7	4.0		
BIG WOOD RIVER								
#Couch Summit	14F10	6950	1/1	62	16.1	6.7	₩	
Dollarhide Summit (A)	14F8	8620	1/1	86	24.4	9.0	11.0*	
Galena	14F1	7500	12/30	76	19.9	6.6	7.9*	
Galena Summit	14F12	8795	1/6	110	29.2	8.4	9.8*	
Graham Ranch	14F5	6200	12/29	54	14.6	4.4	5.7	
Mount Baldy	14F9	9000	12/29	85	22.0	7.7	9.0*	
Soldier Rgr. Sta.	14F11	6100	12/28	41	10.3	2.9	em 40	
<u>Little Wood River -</u>	Fish C	<u>reek</u>						
Garfield Rgr. Sta.	13F4	6554	1/8	63	16.8	2.4	3.9*	
Muldoon	13F5	6300	1/8	45	11.5	1.9	2.8*	
Porcupine (A)	14F14	8350	1/5	85	22.0	6.9	es es	
Swede Peak (A)	13F9	7500	1/5	85	22.0	6.4		
RAFT RIVER								
Boy Scout Camp (A)	13G2	7600	12/31	45	15.3	4.5	an an	
Howell Canyon	13G1	8000	1/2		21.5		8.6*	
Summit Springs (A)	13G4	8500	12/31	21	5.7	2.4	es ex	
GOOSE CREEK								
Badger Gulch	14G3	6660	12/30	21	5.7	2.6	€ 69	
Bostetter R. S. (A)	14G1	7500					7.5*	
Vi Pont (A)	13H3	7670					∞ ∞	
SALMON FALLS CREEK								
#Bear Creek	15H1	7800	1/6	42	13.1	4.5	7.3*	
#Bear Creek (A)	15H1	7800	1/4	35	8.8			
Cedar Creek (A)	14G5	7000	12/29		7.3		3.2*	
Deadline	14G4	6900			16.8	6.2	8.9*	
Goat Creek (A)	15H13	8800			7.8		6.6*	
#Hummingbird Spgs.(A)		8945	1/4	61	15.2		46.8*	
Magic Mountain	14G2	6700	12/26	43	13.4		7.5*	
#Pole Creek R. S.	15H14	8330			11.0		6.5*	
Red Point (A)	15H18	7940			5.8	3.2	₩ →	
Wilson Creek (A)	15G2	7500	12/29	24	6.0	4.5	emo em	

SNOW			CUF	RENT INFOR	MATION	PAST R	ECORD
DRAINAGE BASIN and SNOW	COURSE		DATE OF	SNOW DEPTH	WATER	WATER CONT	ENT (Inches)
NAME	NO.	ELEVATION	SURVEY	(Inches)	(Inches)	LAST YEAR	AVERAGE 6

BOISE RIVER							
Atlanta Summit (A) Bad Bear #Bogus Basin Bogus Basin Road Couch Summit (A) #Dollarhide Smt. (A) Jackson Peak (A) Moores Creek Summit Prairie Road Creek (A) #Soldier Rgr. Sta. Trinity Mountain (A)	15F4 15F2 16F2 16F4 14F10 14F8 15E9 15F1 15F6 15F3 14F11 15F5	7500 5500 6120 5360 6950 8620 7000 6100 5600 6800 6100 7400	1/1 1/6 12/31 1/5 1/1 1/1 1/1 1/5 12/28 1/1 12/28 1/1	114 45 53 13 62 86 99 90 2 25 41	32.4 11.3 13.8 2.3 16.1 24.4 28.1 25.6 0.5 6.5 10.3 33.2	11.5 3.2 7.0 2.7 6.7 9.0 9.2 4.5 2.9 11.5	9.4 1.6* 11.0* 13.3
PAYETTE RIVER							
#Big Creek Summit Bogus Basin Cozy Cove Crawford Rgr. Sta. Deadwood Airstrip Deadwood Dam Deadwood Summit Greenfield Flat (A) #Jackson Peak (A) Rock Flat Summit Squaw Meadow	15E2 16F2 15E8 15E3 15E10 15E7 15E4 16E7 15E9 16E1 15D2	6600 6120 5900 4800 5440 5500 7000 7370 7000 5200 5800	1/8 12/31 12/28 12/29 12/27 12/28 1/1 1/1 1/1 1/1 12/29 1/1	104 53 31 20 28 38 144 102 99 45	31.2 13.8 10.3 5.3 8.9 9.9 40.9 29.0 28.1 9.4 27.0	11.7 7.0 4.1 2.4 3.7 4.7 16.3 9.7 4.9 12.4	9.4 6.6* 6.3* 7.2*
WEISER RIVER							
Boulder Creek Mica Ridge (A) Squaw Flat (A)	16D1 16E6 16E5	5500 6800 6230		72 87 72	18.6 22.6 18.7	10.2	# # #
BRUNEAU RIVER							*
Bear Creek Bear Creek (A) Hummingbird Spgs. (A) Pole Creek Rgr. Sta. #Seventy-six Creek (A)	15H15 15H14	8945	1/4 1/4 12/28		13.1 8.8 15.2 11.0 6.5	4.5	7.3* 6.8*

SNOW			CUR	RENT INFOR	PAST RECORD			
DRAINAGE BASIN and SNOW	COURSE		DATE OF	SNOW DEPTH	WATER CONTENT	WATER CONTENT (Inches)		
NAME	NO.	ELEVATION	SURVEY	(Inches)	(inches)	LAST YEAR	AVERAGE 6	
OWYHEE RIVER								
#Bear Creek	15H1	7800	1/6	42	13.1	4.5	7.3*	
#Bear Creek (A)	15H1	7800	1/4	35	8.8	4.5	7.3*	
#Seventy-six Creek(A)	15H3	7100	1/4	26	6.5			
South Mountain	16G1	6340	12/28	27	8.3	3.2	4.5*	
JPPER SALMON RIVER		LATE RE	LOKIO					
Borah (A)	13E8	8250	1/8	24	5.9	2.6		
Twin Peaks (A)	14E3	10300	1/8	114	30.2	10.0	CD 500	
Lemhi River								
Aspen-Hall Pass	13E21	8110	1/8	48	11.7	3.8		
Copes Camp	13E17	7500	1/8	37	9.0	2.8		
Hall Creek	13E20	7560	1/8	27	6.6	1.3	e==	
Schwartz Lake	13E16	8500	1/8	61	14.2	5.1		

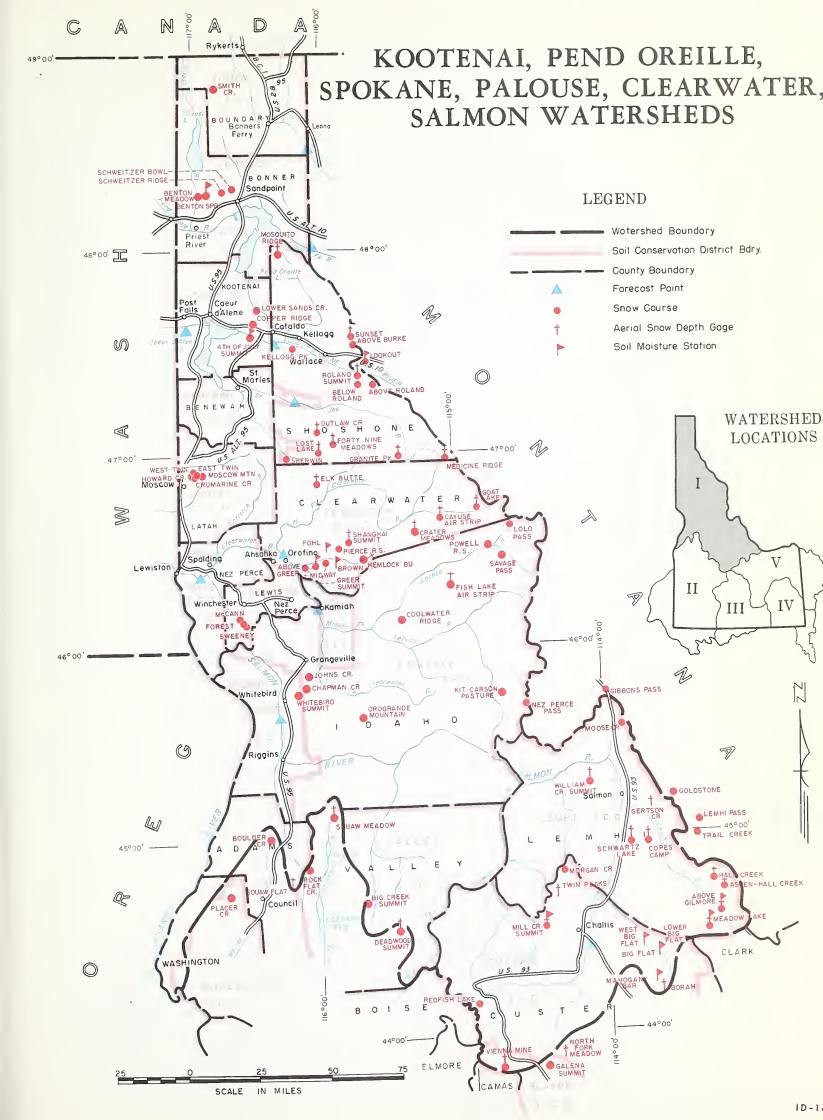
CURRENT INFORMATION

DRAINAGE BASIN and SNOW COURSE

NAME

DATE OF SNOW DEPTH CONTENT (Inches)

LAST YEAR AVERAGE BASIN CONTENT (Inches)

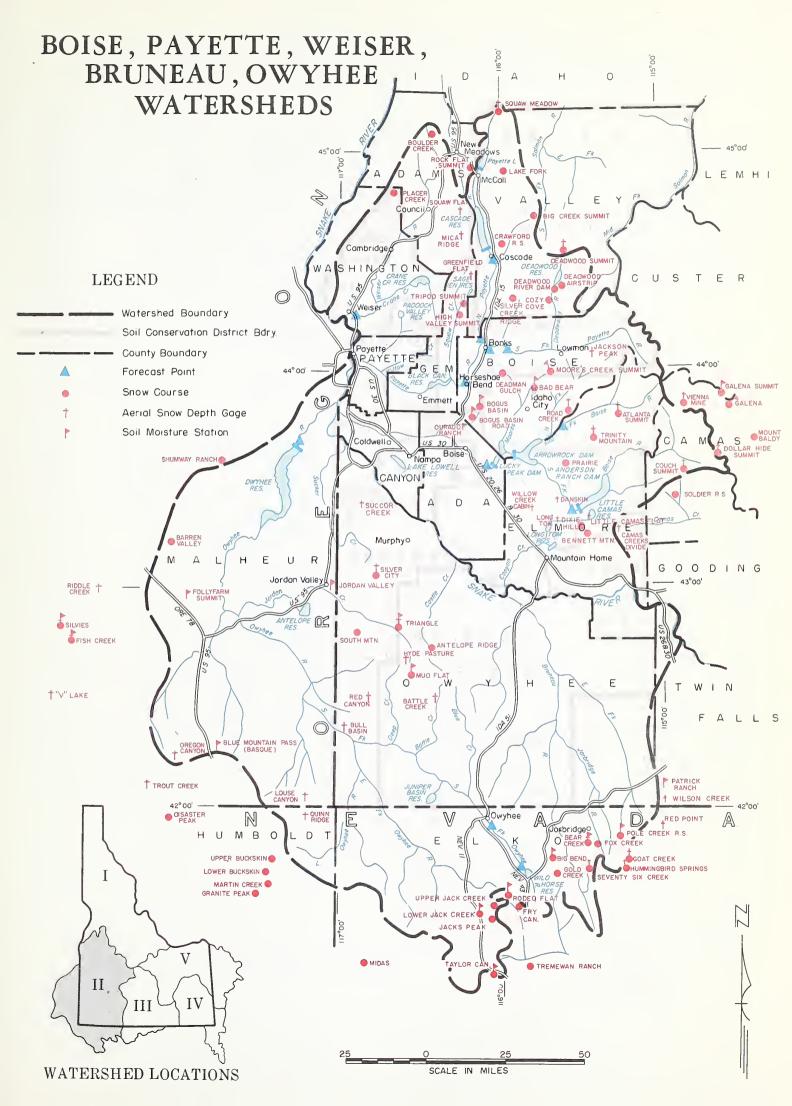


						51.511				5.5.0	TIME	0.05 51.50
NO. S	TATE	NAME	SEC.	0 R _		ELEV.	NO.	STAT	E NAME	SEC.	OR.	RGE. ELEV.
			LAT.	ANO	LONG	•				LAT.	ANO	LONG.
		KOOTENAI RIVER										
16A1	Т	Smith Creek	29	64N	3W	4800	16D2	I	Chapman Creek	16	29N	2E 4215
10111	_	2111 01 0 011	~ /		J	7	13E17A	I	Copes Camp	36	18N	22E 7500
		PRIEST RIVER					13D17a	I		22	22N	
		, =					13D2 13D9	M M		4 11	2S 8S	19W 7100 16W 8100
16A2		Benton Meadow	27	53N	4W	2344	13E20A	I		1		27E 7560
16A3M 16A6	I	Benton Spring	30 20	58N 2W	3W	4900	16D3	I	Johns Creek	9	29N	2E 3805
16A5	Ī		19	2W	58N 58N	4500 6100	13E1 13E13m		Lemhi Pass Lower Big Flat	9 31	10S 12N	15W 7480 24E 6500
			-,				13E10m		Mahogany Bar	10	10N	23E 7900
		SPOKANE RIVER					13E18AN			24	13N	26E 9100
							14E1MA 13D16	I	Mill Creek Summit Moose Creek	8 22 & 26		17E 8870 21E 6200
15B8	I	Above Burke	11	48N	5E	4100	14E4		Morgan Creek	32	18N	
15B7	I		35	47N	6E	4350	14E2	I		3		13E 6600
15B6 16B2	I		34 6 & 7	47N 50N	6E 1W	3770 4800	13E16A	I		34	181	22E 8500
16B3M		Fourth of July Summit	6	49N	lW	3100	13E2 14E3a	M	Trail Creek Twin Peaks	15 28	10S 15N	15W 7090 17E 9190
15B13A	I		3	42N	8E	6000	14F4A		Vienna Mine	32		14E 8900
16B5A	I	Kellogg Peak Lookout	19	48N	3E	5560	13E12m	I	West Big Flat	35	12N	23E 6550
15B2M 16B1	_	Lower Sands Creek	4 32	47 N 51 N	6E lW	5250 3400	16D5	I	Whitebird Summit	17	29N	2E 4390
15B4A		Medicine Ridge	24	43N	10E	6150	14D4	Τ.	Williams Creek Summit	34	21N	20E 7800
16A4A		Mosquito Ridge	5	54N	2E	5110			CLEARWATER RIVER	}		
15B12 15B5A	I		19 26	44N 47N	5E 6E	3750 5200						
16C1	Ī		28 & 33		1E	3200	16011	I	Above Greer Brown	14 11	35N	2E 1240
15B9A	I	Sunset	28	49N	5E	5600	16C14m 15C3A	I		4	35N 38N	3E 3100 11E 3700
							1507	I		32	33N	8E 6200
		BIG LOST RIVER					1509A	I		2	37N	9E 6100
7 / 127 5 6	т	North Fork Meadow	20	זוני	100	8150	16C15A 15C2A	I	Elk Butte Fish Lake Airstrip	6 35	40N 35N	3E 5550 11E 5000
14F15a	Τ	North fork Meadow	20	/ 14	TOF	9130	15C8m		Fohl	16	36N	5E 3450
		DIC WOOD DIVED					1609		Forest	1	32N	3W 4550
		BIG WOOD RIVER					15B3 14C9A	I	Forty-nine Meadows Goat Lake	6 4	43N 38N	5E 5000 13E 6600
14512W	I	Galena Summit	33	7N	15E	8795	16013	Ī		13	35N	2E 3000
							15C6A	I		12	36N	6E 5500
		PAYETTE RIVER					14D3	I		4	27N	16E 5020
		PATETTE RIVER					14C5 15B14A		Lolo Pass Lost Lake	11 16	10N 43N	24W 5230 4E 6000
15E2M	I	Big Creek Summit	24	15N	5E		1608	Ī		25	33N	3W 4300
15E4A	Į	Deadwood Summit	23	14N	7E	7000	16C12M		Midway	14	35N	2E 2200
16E1 15D2A	I		1 5	13N 21N	2E 4E	5200 5800	14D1 15D4	M	Nezperce Pass Orogrande Mountain	25 24	1S 27N	24W 6575 6E 7800
	_	and area and				,	1505	Ī		2	36N	5E 3171
		WEISER RIVER					1406		Powell Ranger Station	33		14E 4230
		WEISER RIVER					1404	I		18 7		15E 6600 6E 4600
16D1	Т	Boulder Creek	15	201	٦W	5500	1504A 16010	I	Shanghai Summit Sweeney	Ĭ	37N 32N	3W 4435
16E5a		Squaw Flat	32	17N		6230		_	0 0	_		2
16E2		Placer Creek	15 & 16			6000			PALOUSE RIVER			
		CALMON DIVED					- / - /	_				
		SALMON RIVER					1606 1603		Crumarine Creek East Twin	24 13	40N 40N	5W 3500 5W 4000
13E19AM		Above Gilmore	13			8200	1605		Howard Creek	14	40N	5W 3500
13E21A 13E11m		Aspen-Hall Pass	6			8110	1602	I	Moscow Mountain	18	40N	4W 4800
13E8a		Big Flat Borah	25 21			7050 8250	1604	I	West Twin	14	40N	5W 4200
	_			_011)		Į.					

LEGEND

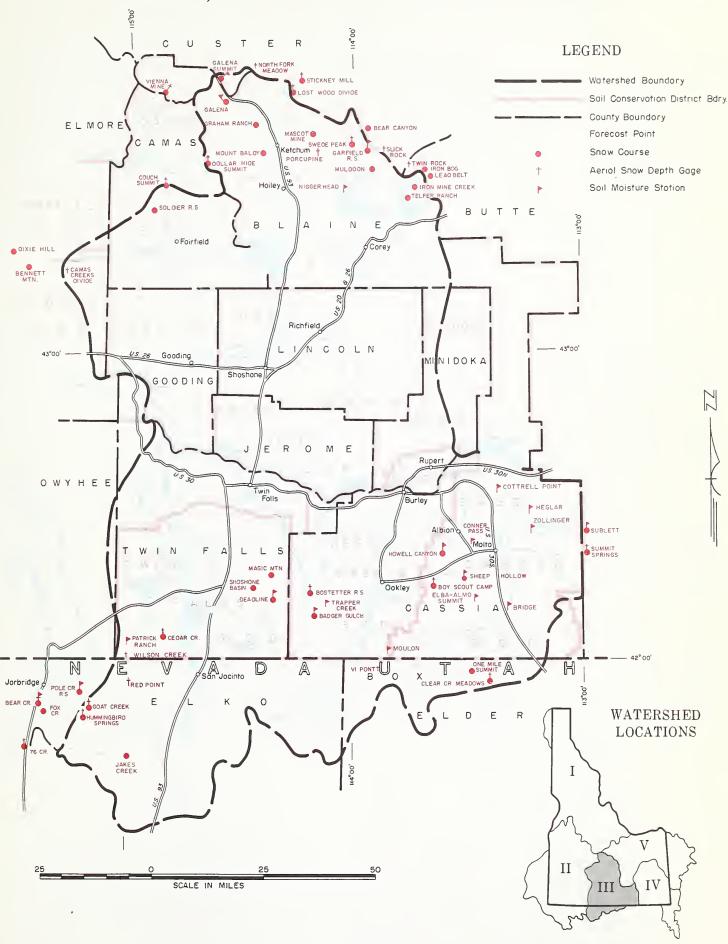
Numbering System (example)

10J7	SNOW COURSE ONLY.
10J7P	SNOW COURSE AND PRECIPITATION GAGE.
10J7M	SNOW COURSE AND SOIL MOISTURE STATION.
10J7A	SNOW COURSE AND AERIAL MARKER.
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE.
10J7 m	SOIL MOISTURE STATION ONLY.
10J7 a	AERIAL MARKER ONLY.
10J7 n	STORAGE PRECIPITATION GAGE ONLY.



	■.1	שענוי		to D	110 W	U	JURGES				
NO. STATE NAP		. TWP. OR _ . ANO		ELEV.	NO.	STA	FE NAME	SEC.	08	RGE.	ELEV.
15H1MA N Bear Cre 14G5A I Cedar Cr 14G4M I Deadline 15H2 N Fox Cree 15H13A N Goat Cre	reek 2 e 2 ek 3 eek 3 bird Springs 6 reek 6 ountain 1 Ranch 2	1 46N 5 15S 5 14S 3 46N 46N 45N 42N 4 14S 3 15S	58E 13E 18E 58E 60E 60E 62E	7800 7000 6900 6800 8800 8945 7000 6700 5720 8330	16F3A 18G1MA 16G1 16F6a 15H9M 15H8 16G4AM 18G5a 17H1 16H2 18G7a	O N N O I I I I I I I I I I I I I I I I	Silver City Silvies South Mountain Succor Creek Taylor Canyon Tremewan Ranch Triangle Trout Creek Upper Buckskin Upper Jack Creek "V" Lake	6 35 35 25 35 9 10 10 11 9 31	58 328 78 38 39N 39N 78 418 45N 42N 35½S	3W 33E 5W 5SE 53E 3W 38E 39E 53E 32 3/4E	6400 6900 6340 6100 6200 5700 5150 7800 7200 7250 6600
14G6 I Shoshone 15G2a I Wilson (BIG W 14F8A I Dollar I 14F1M I Galena 14F12M I Galena 14F12M I Mount B	Six Creek 6 e Basin 2 Creek 2 OOD RIVER Hide Summit 1 3 Summit 3 aldy 2 Ranger Station 1	44N 4 14S 4 16S 6 3N 6N 3 7N 6 4N	61E 58E 17E 12E 15E 15E 15E 17E	7300	15E2 16F2M 15E8 15E3 15E10 15E7 15E4A 16E7a 16E4 15E1 16E1 15E5A 15D2A		Rock Flat Summit	24 16 19 21 8 8 23 1 9 3 1 24 5	15N 5N 11N 14N 11N 13N 13N 10N 18N 18N 12N 21N	5E 3E 4E 7E 7E 2E 4E 2E 4E 4E	6608 6120 5900 4800 5440 5290 7000 7370 5170 6000 5200 5700 5800
15F4A I Atlanta 15F2M I Bad Bea: 15F7 I Bennett 16F4 I Bogus B: 16F5m I Bogus B: 15F9a I Camas C: 14F10A I Couch S: 15F10a I Danskin 16F1 I Deadman 15F8 I Dixie H 15E9A I Jackson 15F12a I Little (15F13a I Long Toi 15F6 I Prairie 15F6 I Prairie 15F5A I Trinity	Summit 2 r 3 Mountain 3 asin Road 3 asin Road 3 reeks Divide 1 unmit 9 Gulch 1 ill 1 Peak 7 Camas Flat 2 m 1 Creek Summit 1 eek 5 Mountain 7	7	9E 3E 2E 9E 14E 7E 3E 8E 9E 8E 7E 8E 9E	7500 5500 6650 5360 4830 5720 6950 5650 6500 6500 4950 4550 6100 6800 7400 4710	16E3 16D1 16E6a 16E5a 16E2	I	Tripod Summit WEISER RIVER Boulder Creek Mica Ridge Squaw Flat Placer Creek LEGEND Numbering System (15 15 32 15 & 16	20N 15N 17N 5 17N	1W 2E 2E 3W	5500 5500 6800 6230 6000
16G6 I Antelop 18F5 O Barren 16G9a I Battle 15H4M N Big Ben	Valley Creek d untain Pass (Basque) sin r Peak eek arm Summit yon eek Peak Sture eak Valley Draw Butte anyon uckskin ack Creek Canyon idge yon	00 118.00 45N0 45N0 45N0 45N0 45N0 45N0 45N0 45	38E 1E 54E 54E 33E 54E 53E 53E 53E 53E 53E 53E 53E 53	5900 4200 5700 6700 5290 5600 6700 6600 7800 5800 8420 4390 6700 5650 6440 6700 7200 5500 6950 6300 6650 6800	10J7P 10J7M 10J7MA 10J7MP 10J7 m 10J7 a 10J7 p	SNI SNI SNI SN SN	OW COURSE AND PRECIPITATION COURSE AND SOIL MOISTURE OW COURSE, SOIL MOISTURE OW COURSE, SOIL MOISTURE IL MOISTURE STATION ONLY. RIAL MARKER ONLY. ORAGE PRECIPITATION GAGE	RE STATI ER. STATION STATION	ON.		

SNAKE RIVER, BIG WOOD, LITTLE WOOD, RAFT, GOOSE CREEK, SALMON FALLS CREEK WATERSHEDS



Mari	CTA	TE NAME	6.50	TWD	DOF	EL EV	
NO.	STA	TE NAME		OR AND		, ELEV	•
			LAI	, AND	LUN	G .	
		RAFT RIVER					
13G2A 13G1lm 13H2A 13G6 13G7m 13G10m 13G8M 13G1M 13G12m 13H1 13G5M 13G3M 13G4A 13G9m	I I I I I	Boy Scout Camp Bridge .Clear Creek Meadows Conner Pass Cottrell Point Elba-Almo Summit Heglar Howell Canyon Moulton One Mile Summit Sheep Hollow Sublett Summit Springs Zollinger GOOSE - TRAPPER CRE	12 7 26 35 24 29 19 27 19 4 8 15 2	14S 15S 14N 12S 10S 14S 11S 16S 14N 14S 12S 13S 13S	25E 25E 28E 24E 23E 14W 24E 30E 30E	6200 6000	
			LIX				
14G3M 14G1A 14G7m 13H3a	I I U	Badger Gulch Bostetter Ranger Station Trapper Creek Vi Pont	24 35 2 17	15S 14S 15S 14N	19E 19E 20E 17W	6660 7500 5300 7670	
		SALMON FALLS CR	BRU	NEA	U RI	∨ E R	
15H1MA 14G5A 14G4M 15H2 15H13A 15H15A 14H1 14G2 15G1m 15H14M 15H18a 15H3A 14G6 15G2a	N I I N	Bear Creek Cedar Creek Deadline Fox Creek Goat Creek Hummingbird Springs Jakes Creek Magic Mountain Patrick Ranch Pole Creek Ranger Station Red Point Seventy Six Creek Shoshone Basin Wilson Creek	31 25 25 33 31 6 14 23 15 6 24	46N 15S 14S 46N 45N 42N 14S 15S 46N 47N 44N 14S 16S	18E 58E 60E 62E 18E 12E 59E 61E 58E	7800 7000 6900 6800 8800 8945 7000 6700 5720 8330 7940 7100 5740 7500	
		BIG WOOD RIVER					
14F8A 14F1M 14F12M 14F5 14F7 14F9 14F11	I I I I		16 3 33 10 8 26 19	3N 6N 7N 5N 4N 4N 2N	15E 15E 15E 17E 20E 17E 14E	8620 7300 8795 6200 7900 9000 6100	
		LITTLE WOOD RIVER					
13F4M 13F10 13F5 14F13m 14F14a 13F9A 13F6	I I I I I	Garfield Ranger Station Iron Mine Creek Muldoon Niggerhead Porcupine Swede Peak Telfer Ranch	11 32 25 26 30 4 12	3N 3N 3N 2N 4N 3N 2N	21E 23E 21E 20E 20E 21E 22E	6554 6370 6300 5450 8350 7500 6000	3

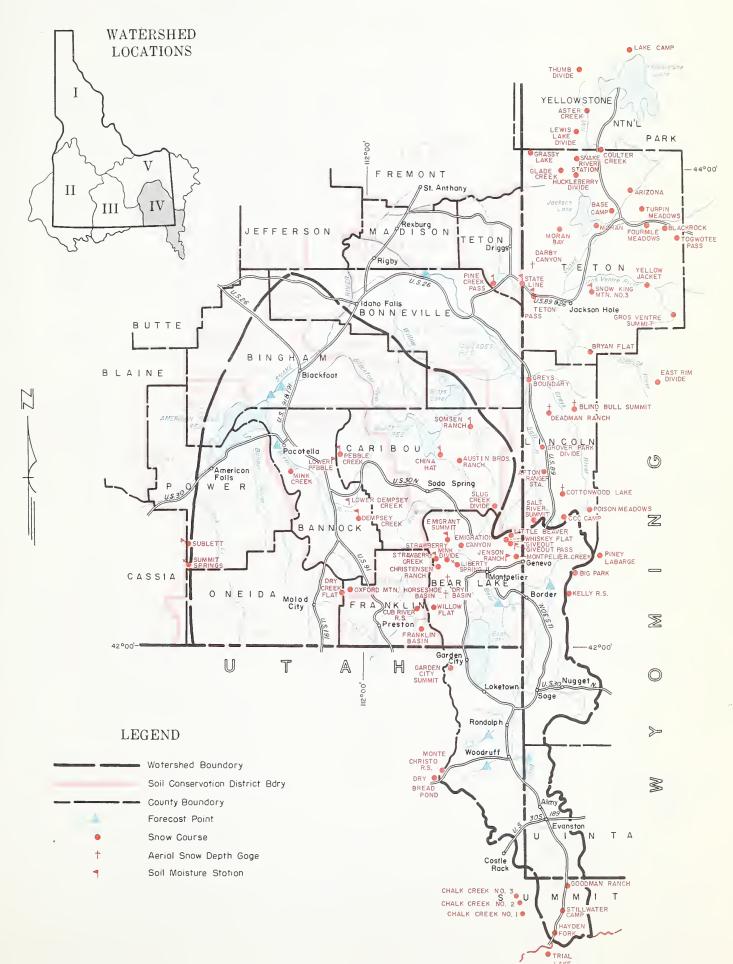
LEGEND

Numbering System (example)

1DJ7	SNOW COURSE DNLY.
1DJ7P	SNOW CDURSE AND PRECIPITATION GAGE.
10J7M	SNDW CDURSE AND SDIL MDISTURE STATION.
10J7A	SNDW CDURSE AND AERIAL MARKER.
1 D J 7 M A	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER.
1DJ7MP	SNOW COURSE, SDIL MDISTURE STATION AND PRECIPITATION GAGE.
10J7 m	SDIL MDISTURE STATION DNLY.
10J7 a	AERIAL MARKER DNLY.
1017 5	STABACE DECIDITATION CACE DNIV

UPPER SNAKE, BLACKFOOT, PORTNEUF, BEAR, MALAD WATERSHEDS





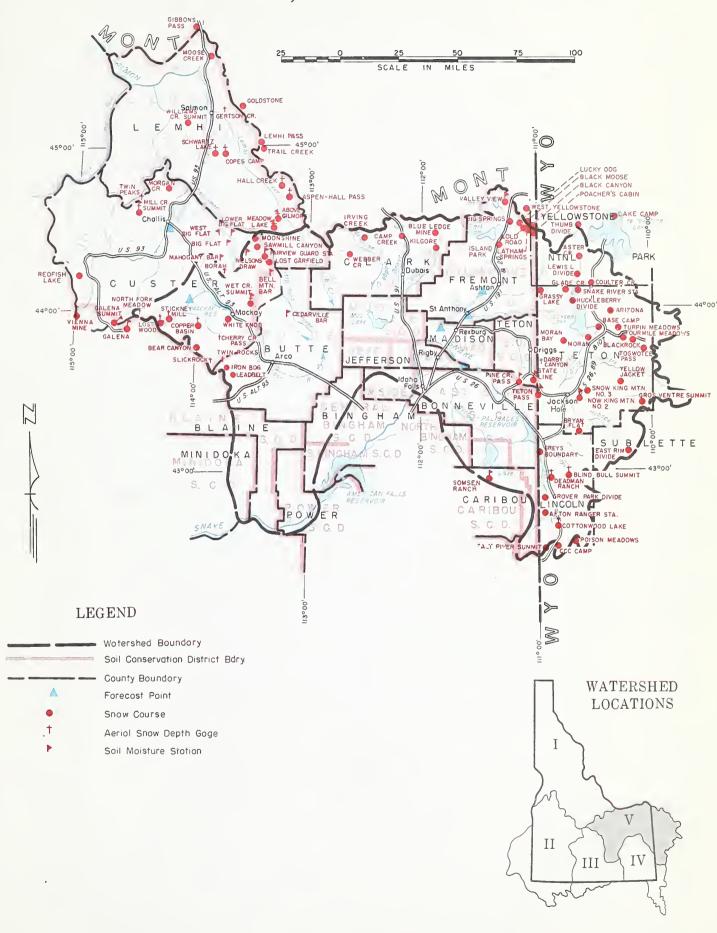
NO.	STA	TE NAME	SEÇ.	TWP.	RGE.	ELEV.	NO.	STAT	E NAME	SEC.	TWP.	RGE.	ELEV.
			LAT.	ANO	LONG.					LAT.	AND	LONG.	
		SNAKE RIVER - WYO	MING						PORTNEUF RIVER				
10G4 10F1 10E8 10F2 10F7 10G2A 10F14 10E3	WY WY WY WY WY WY WY	Afton Ranger Station Arizona Aster Creek Base Camp Blackrock Blind Bull Bryan Flat Canyon	3 44 ⁰ 17 ¹ 20	46N 46N 44N 34N	118W 115W 110°38' 113W 111W 115W 115W 110°30'	6900 8600 8750 6250	12G5M 12G7m 12G6m 12G1 12G2M	I I I	Dempsey Creek Lower Dempsey Lower Pebble Mink Creek Pebble Creek BEAR RIVER	17 5 7 33 34	10S 10S 8S 7S 7S	38E 38E 38E 34E 37E	6280 5210 5800 6300 6550
10G7 10G5A 10E10 10G1A 10F17 10F6 10E13 10F18 10F19 10G3 10E14 10E9 10F4 10F3 10F2 10G6 10G8 10E12 10F20 10F5	WY W	CCC Camp Cottonwood Lake Coulter Creek Deadman Ranch East Rim Divide Four Mile Meadows Glade Creek Greys Boundary Gros Ventre Summit Grover Park Divide Huckleberry Divide Lake Camp Lewis Lake Divide Moran Moran Bay Norris Basin Poison Meadows Salt River Summit Snake River Station Snow King Mountain #3 Sylvan Pass	9 25 44°09' 26 32 35 12 33 36 27 32 44°34' 44°13' 8 & 17 14 44°44' 29 32 9 4	31N 34N 37N 45N 48N 37N 40N 33N 48N 45N 45N 45N 45N 45N 45N 45N 45N 45N 45	118W 118W 116W 111W 112W 116W 111W 115W 110°24' 110°40' 114W 116W 116W 116W 116W 117W 116W 117W 117	7500 7500 7500 7500 7500 7770 7200 5800 8750 7500 7300 77850 6800 6800 6800 7500 8500 7900 6700 7100	10G11 11G12 11G14a 11H13M1 11G6M 11G7 11G8M 11H7P 10J6 10J77 11G15a 10G12 11G13A 11H12P 10G10 10J17P 11G10 11G9M 11G4P	Wy I I I I U U U I Wy I U W U U I I I I I I I I I I I I I I I	Big Park Christensen Ranch Cub River Ranger Station Dry Basin Dry Bread Pond Emigrant Summit Emigration Canyon (mouth) Franklin Basin Garden City Summit Goodman Ranch Hayden Fork Horseshoe Basin Kelly Ranger Station Liberty Spring Monte Cristo R. S. Piney LaBarge x Stillwater Camp Strawberry Mink Divide Strawberry Creek Willow Flat	7 27 5 30 19 21 24 1 35 19 1 31 13 7 3 19 32 14 9 2	27N 13S 15S 13S 8N 12S 16S 14N 1S 13S 26N 29N 29N 13S 13S 15S	10E 41E 41E	8700 5600 5400 7900 8230 7350 6500 8000 7600 7900 9300 8000 8200 8600 8960 8820 8550 6800 5800 6100
10E7 10F9 10F5 10F10	WY WY WY	Thumb Divide Togwotee Pass Turpin Meadows Yellowjacket	44°221 29 14 33	44N 45N	110°35 110W 112W 112W	9600 9600 6930 7675	12G4 12G3	I	MALAD RIVER Dry Creek Flat Oxford Mountain	31 32	13S 13S	37E 37E	6350 6800
		TETON RIVER							MONTPELIER CREEK				
10F21a 11F2M 11F1M 10F1 <i>3</i> M	WY I I WY	Darby Canyon Pine Creek Pass State Line Teton Pass BLACKFOOT RIVER	28 24 32 24	3N 3N	118W 44E 46E 118W	8250 6750 6400 8500	11G16 11G17m 11G19m 11G20 11G18 11G21		Giveout Giveout Pass Jenson Ranch Little Beaver Montpelier Creek Whiskey Flat	35 2 15 26 22 26	11S 12S 12S 11S 12S 11S	45E 45E 45E 45E 45E 45E	6840 7025 6580 6970 6570 6985
11G3 11G2M 11G5 11G1M	I I I	Austin Brothers Ranch China Hat Slug Creek Divide Somsen Ranch	28 17 15 25	7S 7S 10S 5S	43E 42E 44E 43E	6450 6300 7225 7000							

LEGEND

Numbering System (example)

10J7	SNOW COURSE ONLY.
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10J7 a	AERIAL MARKER ONLY.
10J7 p	STORAGE PRECIPITATION GAGE ONLY.

UPPER SNAKE, HENRY'S FORK, TETON, CAMAS - BEAVER CREEK, LITTLE LOST, BIG LOST, UPPER SALMON WATERSHEDS



NO.	STATE	NAME	SEC.	TWP. RGE.	ELEV.	NO.	STATE	NAME	SEC.	0 R _	RGE. ELEV.	
		SNAKE RIVER - WY	OMING					BIG LOST RIVER				
10G4 10F1 10E8 10F2 10F7 10G2A 10F14 10E3 10G7 10G5A 10E10 10G1A 10F17	WY WY WY WY WY WY WY WY WY WY WY WY WY W	Afton Ranger Station Arizona Aster Creek Base Camp Blackrock Blind Bull Bryan Flat Canyon CCC Camp Cottonwood Lake Coulter Creek Deadman Ranch East Rim Divide Four Mile Meadows	30 3 44°17' 20 4 6 9 44°44' 9 25 44°09' 26 32 35	32N 118W 46N 115W 110°3; 46N 113W 44N 111W 34N 115W 110°3; 29N 118W 110°3; 34N 116W 37N 111W 45N 112W	6900 8600 8750 6250 7750 7500 7500	13F3 13F13a 13F2A 13F11 13F12 14F3A 14F15a 13F14a 14F2A 13F15a 13F15		Bear Canyon Cherry Creek Pass Copper Basin Iron Bog Leadbelt Lost Wood Divide North Fork Meadow Slickrock Stickney Mill Twin Rocks White Knob	26 7 24 23 34 19 20 17 9 22 25	5N 6N 4N 4N 6N 7N 4N 6N	21E 8600 23E 8900 21E 8000 22E 7650 23E 6800 19E 8750 18E 8150 22E 8640 19E 7500 22E 8100 23E 7700	
10E13 10F18	WY	Glade Creek Greys Boundary	12 33	48N 116W 37N 118W	7200 5800	14F1M 14F12M	I I	Galena Galena Summit	3 33		15E 7300 15E 8795	
10F19 10G3 10E14	WY WY WY	Gros Ventre Summit Grover Park Divide	36 27	40N 111W 33N 118W 48N 115W	8750 7500 7300			SALMON RIVER				
10E14 10E9 10F4 10F3 10E2 10G6 10E8 10E12 10F20 10E5 10E7 10F9	WY WY WY WY WY WY WY WY WY WY WY WY WY W	Huckleberry Divide Lake Camp Lewis Lake Divide Moran Moran Bay Norris Basin Poison Meadows Salt River Summit Snake River Station Snow King Mountain #3 Sylvan Pass Thumb Divide Togwotee Pass Turpin Meadows Yellowjacket	32 44°934' 44°13' 14 44°44' 29 32 9 4 12 44°22' 29 14 33	45N 115W 110°2; 45N 116W 110°4; 30N 116W 29N 118W 48N 115W 40N 117W 52N 110W 110°3; 44N 110W 45N 112W 42N 112W	4' 7850 0' 7900 6800 6800 2' 7500 8500 7900 6780 7600 7100	13E19AN 13E21A 13E11m 13E8a 13E17A 13D17a 13D2 13D9 13E20A 13E1 13E13m 13E10m 13E1AN 14E1AA 13D16	I I I M M M I M	Above Gilmore Aspen-Hall Pass Big Flat Borah Copes Camp Gertson Creek Gibbons Pass Gold Stone Hall Creek Lemhi Pass Lower Big Flat Mahogany Bar Meadow Lake Mill Creek Summit	13 6 25 21 36 22 4 11 1 9 31 10 24 8	16N 11N 10N 18N 22N 2S 8S 16N 10S 12N 10N 13N	26E 8200 28E 8110 23E 7050 23E 8250 22E 7500 23E 8050 19W 7100 16W 8100 27E 7560 15W 7480 24E 6500 23E 7900 26E 9100 17E 8870	
		HENRYS FORK RIVE	R			14E4 14E2	I	Moose Creek Morgan Creek Redfish Lake	22 & 26 32 3	18N	21E 6200 19E 7580 13E 6600	
11E9 11E18 11E19 10E15 11E10M 11E16 11E14 11E15 11E17 11E8M 11E7	I I WY I I I I M	Big Springs Black Canyon Black Moose Grassy Lake Island Park Latham Springs Lucky Dog Old Road Poacher's Cabin Valley View West Yellowstone	34 11 33 6 29 9 2 12 11 7 34	14N 44E 13N 45E 14N 45E 48N 117W 13N 43E 13N 45E 13N 45E 13N 45E 13N 45E 15N 44E 13N 44E 13S 5E	6500 7850 8125 7230 6315 7650 6900 7250 8000 6500 6700	13E16A 13E2 14E3a 14F4A 13E12m 14D4	M I I I	Schwartz Lake Trail Creek Twin Peaks Vienna Mine West Big Flat Williams Creek Summit	34 15 28 32 35	18N 10S 15N 6N 12N	22E 8500 15W 7090	
		TETON RIVER										
10F21a 11F2M 11F1M 10F1.3M	I	Darby Canyon Pine Creek Pass State Line Teton Pass	28 24 32 24	43N 118W 3N 44E 3N 46E 41N 118W	8250 6750 6400 8500	10J7	SNO	LEGEND Numbering System W COURSE ONLY.	(example	·)		
		CAMAS - BEAVER C	REEK			10J7P		W COURSE AND PRECIPITA		Ν.		
11E11 12E3 11E12	I I	Blue Ledge Mine Camp Creek Kilgore	27 21 6	13N 38E 13N 36E 12N 39E	6700 6800 6200	10J7A 10J7MA	SNO	W COURSE AND AERIAL MAR	RKER. E STATION A	NO AER		
		MEDICINE LODGE	CREEK			10J7MP		W COURSE, SOIL MOISTURE L MOISTURE STATION ONLY		NO PRE	CIPITATION	GAGE.
12E4 12E5	I	Irving Creek Webber Creek	8 23	13N 33E 12N 32E	7035 6700	10J7 a		TAL MARKER ONLY.	E ONLY.			
		LITTLE LOST RIVER				1						
13F16m 13E5M 13E15m 13E3 13E6 13E14m 13E4 13E7MA	I	Cedarville Bar Fairview Guard Station Bell Mtn. Bar Lost-Garfield Moonshine Nielson's Draw Sawmill Canyon Wet Creek Summit	31 27 36 3 31 26 17	7N 28E 12N 26E 11N 26E 11N 26E 13N 26E 11N 25E 12N 26E 8N 25E	5400 6750 6640 6600 7450 6400 6900 8175							

Agencies Assisting with Snow Surveys, etc.

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

States:

Idaho State Reclamation Engineer
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

- U. S. Army Engineers
- U. S. Department of Agriculture Forest Service Agricultural Research Service
- U. S. Department of Commerce Weather Bureau
- U. S. Department of the Interior
 Bonneville Power Administration
 Bureau of Reclamation
 Fish and Wildlife Service
 Geological Survey
 Indian Service
 National Park Service
 Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company Washington Water Power Company Idaho Power Company Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE P.O. BOX 38
BOISE, IDAHO 83701

OFFICIAL BUSINESS

FEDERAL - STATE - PRIVATE

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